

I CLAIM:

1. A vertical mixer comprising a mixing chamber containing a substantially vertical rotatable auger having a generally helical flight that is tapered to converge from bottom to top, with power means to rotate said auger about a longitudinal center axis, said mixing chamber having a floor and a side wall, said side wall having an opening therein, said opening being sized and located to be closed by a door, said door having a closed position and an open position, there being an hydraulic cylinder connected in parallel with a linkage to open and close said door.
2. A vertical mixer as claimed in Claim 1 wherein said linkage has two elongated members that are pivotally connected to one another, said cylinder being pivotally connected between said members.
3. A vertical mixer as claimed in Claim 2 wherein said two elongated members are a first member and a second member, each member having an inner end and an outer end, said two elongated members being pivotally connected to one another at said inner end of each member.
4. A vertical mixer as claimed in Claim 3 wherein said first member is pivotally connected to said mixing chamber at said outer end of said first member and said second member is pivotally connected to said door at said outer end of said second member.
5. A vertical mixer as claimed in Claim 4 wherein said hydraulic cylinder is pivotally connected between said first member and said second member.
6. A vertical mixer as claimed in Claim 2 wherein there is at least one hinge located between said door and said side wall.